

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Takahiko ISHIGURO, et al.

Appln. No.: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Confirmation No.: Not Yet Assigned

Examiner: Not Yet Assigned

Filed: July 16, 2001

For: NOVEL GENOME ANALYZING METHOD

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination, please amend the above-identified application as follows:

IN THE CLAIMS:

Please enter the following amended claims:

5. (Amended) The method according to claim 3, wherein said detection of whether or not DNA or RNA is amplified is carried out by a method comprising:

carrying out the amplification in the presence of an oligonucleotide probe which can specifically bind to the DNA or RNA formed by the amplification and is labeled with an intercalating fluorescence dye, provided that said oligonucleotide is a sequence which does not form complementary bonding with any one of the aforementioned oligonucleotides, and measuring the change in a fluorescence characteristic of the reaction solution.

7. (Amended) A method for determining the gene expression region in an arbitrary region on a genome or the entire genome, which comprises repeatedly carrying out the method of claim 1.

AMENDMENT


Attorney Docket No.: Q65441

8. (Amended) A genomic gene which was determined to be a gene expression region by the method of claim 1.

REMARKS

Improper multiple claim dependencies have been corrected to ensure initial examination of all claims on the merits. Entry and consideration of this Amendment is respectfully requested.

Respectfully submitted,



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Date: July 16, 2001

09904557-071601
F09T20-25540660

APPENDIX

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

The claims are amended as follows:

5. (Amended) The method according to claim 3 ~~or~~ 4, wherein said detection of whether or not DNA or RNA is amplified is carried out by a method comprising:

carrying out the amplification in the presence of an oligonucleotide probe which can specifically bind to the DNA or RNA formed by the amplification and is labeled with an intercalating fluorescence dye, provided that said oligonucleotide is a sequence which does not form complementary bonding with any one of the aforementioned oligonucleotides, and measuring the change in a fluorescence characteristic of the reaction solution.

7. (Amended) A method for determining the gene expression region in an arbitrary region on a genome or the entire genome, which comprises repeatedly carrying out the method of ~~any one of~~ claims 1 ~~to~~ 6.

8. (Amended) A genomic gene which was determined to be a gene expression region by the method of ~~any one of~~ claims 1 ~~to~~ 7.